GENERAL GORGAS TELLS OF TASK OF CLEANING UP THE WORLD

Man Who Changed Canal Zone From a Pest Hole to a Health Resort Thinks Entire Banishment of All Epidemic Diseases a Possibility

will be accomplished more easily and "The countries worst afficted with convey the infection. Fresh vegeta-with much more rapidity than the it at the present time are Ecuador—bles may under certain conditions

wise the maladies they engender annual mortality from the latter two would not be epidemic in character, diseases is enormous. for the very word 'epidemic' implies

germs are able to do mischief only most favorable to the propagation of the pestiferous insect. To discourage was done in the Canal Zone, for in- fought. stance, by draining swamps and adopting other measures calculated to discourage the breeding of the particular species of mosquito that is the large much will doubtless be accompanied. The rather or feas which, described on the course of the large much will doubtless be accompanied to the large much will be much the absence of which this disease can-

'In this kind of work no little sheet of water known as Gatun Lake was created by flooding a hollow in the hills, the town of Gatun was they came was a puzzle, and, to solve it a regular business was made of other, but does not stay long.

"No wonder that the 'black death, catching mosquitoes in every nearby "Why should this be so? The an-

pend mosquito bars from tree branches dinary conditions find circumstances spread to that part of the world. Saniin the swamps, placing inside of each unfavorable to their survival and tation in Europe in those days was one a colored person for bait. For this propagation. Such being the case they much on a par with what it now is in purpose the bars were left open until die out and the epidemic comes to an the Orient. a good many of the insects were in- end. But given the requisite condi- new the idea of cleanliness is to man-

"The next morning—the anopheles among those of them that were Europe and even our own country. and it will disappear. But the requisite painted showed where they came from. "On the whole, however, cholera measures, which include the ratproof-In this way we located the source of may be regarded as a disappearing ing of houses and the protection of

Yellow fever is no longer the men- which formerly devastated Europe at are difficult to apply in the crowded

THE task of 'cleaning up' the tace to mankind that it was a century trequent intervals are not likely to world, with a view to get-ting rid of the great how to deal with it there is no ques-epidemic diseases which are tion that we can get rid of it alto-in the knowledge we have recently

average layman would be inclued to especially the port of Guayaquil, carry the germs; it is safest to cook them. Of utmost importance is the sales to cook them. Of utmost importance is the sales to cook them. Of utmost importance is the sales to cook them. gas who made this statement—the man zilian Government, inspired by what who transformed the Canal Zone from has been accomplished in the Canal

all countries where it now prevails.
"Where epidemic diseases, such as "Malaria is a vastly more formiyellow fever, are concerned," said Gen. dable problem. It prevails more or less vice able to keep it out of this coun-Gorgas, "it may be said that we have nearly everywhere and especially in Gorgas, "it may be said that we have nearly everywhere, and especially in them at a certain disadvantage. The the tropics, where it often assumes a baoterial or other germs that cause malignant form, with an alarming them—in the case of yellow fever it is death rate. A monograph on India an animal parasite—are manifestly newly published by the Department of living and propagating their species Commerce states that in that country under conditions not favorable to their malaria kills more people than either survival. If the situation were other- cholera or bubonic plague, though the

"Here again we have a mosquito as that such onslaughts are temporary. the sole carrier. The humid climate

sole carrier of yellow fever, and in time much will doubtless be accomplished. If the tropics could be freed animal, bite people, thus communicat-of the menace of malaria many mill- ing it to human beings. When the ions of square miles of the most fertile malady reaches a certain point of "In this kind of work no little ingenuity has been exercised. Thus, land in the world now producing little prevalence the germs get into the air; for example at the time when the or nothing, would be made available people take them into their lungs for settlement by the white man.

"I spoke a moment ago of cholera. sumes the so-called 'pneumonic' form. It is a typical epidemic disease, its In this stage it spreads like wildfire; beset by anopheles mosquitoes—the germ a water borne bacterium. From the victims die in a few hours and species that carries malaria. Whence time to time it appears, and may per- whole populations are wiped out to the haps even rage, in one place or an- last man, woman and child.

swamp and painting them. swer is that nobody knows. The pre-"The method adopted was to sus-sumption is that its germs under or-centuries when from time to time it side of them and then they were tied beings obviously supplies them—and the bottoms. The nebeings obviously supplies them—and the malady may hold on indefinitely, likewise the notion of cleanly held in the malady may hold on indefinitely, ness in the household. The days of the malady may hold on indefinitely, ness in the household. The days of the malady may hold on indefinitely, ness in the household. The days of the malady may hold on indefinitely, ness in the household. The days of the malady may hold on indefinitely, ness in the household.

served the prevalence of a special hue rise to plagues of the disease invading how to get rid of it. Destroy the rats

wholesale destroyers of mankind, gether. One hundred years from to-seems at first glance very formidable, day a case of it will probably be re-but it is bound to be undertaken and garded as a medical curiosity.

"When the Western world has been 'cleaned up' the Orient will still rea pest hole into one of the most salubrious regions on the earth, and this within the brief period of haif a dozen years. The Rockefeller Foundation is understood to have engaged his services, when he shall have retired the ports of Colombia and Venezuela the canal tolerand up the Orient will still release up the Orient will still from the post of Surgeon-General of and occasionally at one place or anthe Army to manage a campaign for other on the west coast of Africa. But day it threatens our every seaport, being carried by ship borne rats, and utonly by unceasing vigilance and ut-most effort is our public health ser-

alarming epidemics of it in San Francisco within the last few years, and only a few months ago the last plague stricken rat was killed in New Orleans, which the malady had in-

"When crowded populations dwell amid unsanitary surroundings, as they do in China and India, and are afflicted by an extreme and almost universal poverty the task of cleaning up is well "It is to be inferred, then, that these and swampy regions of the tropics are traordinary difficulties. Viewing such conditions one is not surprised that cholera should take an enormous toll accident or another, happen to favor them. Accordingly our task is to familiar means is the only practicable plague should do the same—more than eliminate such favoring conditions, as was done in the Canal Zone, for inwas done in the Canal Zone, for intoucht method whereby malaria can be 2.000,000 lives being wiped out not

> riving the infection from the rodent with their breath, and the disease as-

"Such conditions are found in north- old when knights were bold and barons

the plague, which was soon stopped disease. Its range is becoming re-by suitable draining operations. Its range is becoming re-stricted. The great epidemics of it in order that they may not be fed,



"Not so very long ago that frightful civilized regions of the earth. Clean-

Undertaking Bound to Be Started. He Says, and Could Be Accomplished Quickly and Certainly

and elsewhere, isolation of the suffer- call diseases. ers being the most important means time goes on it will progressively dis- able in many instances to study the appear, and the prospect is that a cen-tury from now a physician who wishes scope, as well as to experiment with to study a case will be obliged to them in a variety of ways, we are in hunt for it in some remote locality. a position to conduct a fight against

ing ground for epidemic diseases. back to remotest historic antiquity. them from Palestine; it ravaged the world from the standpoint whole civilized world, and during a of the health of mankind." The Crusaders brought it back with long period it is said to have taken half a million lives annually in Europe alone. Introduced into the New World it wiped out entire populations in Mexico and South America. Many tribes of our own Indians were nearly exterminated by it.

"People nowadays fail to realize what a frightful pestilence smallpox formerly was. It was literally a decimator of mankind. Yet at the present time, thanks chiefly to vaccination, block whom I shall call Smith because cases of it, at least in civilized countries, are comparatively rare. We and they are not squeamish about the have it always with us, and minor use of their name. His first name is epidemics of it occur every now and John Wesley and hers is Edna, and then in one place or another, but these when they were married about twenty are checked by prompt and effective years ago she was plumb tickled to methods, and the disease is not allowed to assume the proportions of a ley Smith.

knowledge we possess in regard to the causes of epidemic diseases and the means by which they are spread it is wonderful how much has already been like it and said as much, but she kept accomplished in combating them. Of late typhus fever has been attracting a good deal of popular attention by reason of its ravages in Serbia and parts of Austria; but this malady, which is one of the most deadly known to man, is to-day restricted to a small fraction of its former geographical range-a fact for which the growth of cleanly habits is mainly accountable.

"Our new knowledge of the instrumentality of insects in carrying diseases is of incalculable usefulness in the war we are waging aginst many epidemic maladies. In nearly every city of the United States systematic methods are being adopted for the extermination of house flies, which are distributrs not only of typhoid but of other deadly complaints born of filth.

"The biting flies-in whose category the house fly, of course, is not included-are accountable for the spread of many diseases. For instance, the common stable fly is more than suspected to be the sole carrier of infantile paralysis. The notorious

"Nevertheless a beginning has been made and the outlook is hopeful. In a general way we may say that the range of the great epidemic diseases is range of the great ep "Leprosy to-day is not uncommon in tage of it to live at his expense, feedopportunity serves they take advana very sensible sort of a name. As
"Leprosy to-day is not uncommon in tage of it to live at his expense, feed-

tered. Its range is becoming steadily of animal life—as in the case of the more and more restricted. Medical malaria germ, which is a protozoon, science has taken in hand the Such proceedings on their part enbusiness of dealing with it in gender various derangements of physthe Hawaiian Islands, the Philippines ical structure or function which we "But, now that we know how such

adopted for preventing its spread. As germ diseases are caused and are "The Orient since earliest times them intelligently and with good prospect of success. In fact, it is upon this knowledge, which is stead. Smallpox in China and India dates ily growing, that we may chiefly base our expectation of accomplishing in the course of time a general cleaning

THE FAMILY NAME.

OMEN are slowly but surely edging up," remarked edging up," remarked a Harlem man who isn't worrying over it one way or another, "and the latest move I've heard of came under my notice a few days ago.

"I know a man and wife in my there are 7,000 Smiths in New York

"In these later years of change and "Considering how new is the exact, progress, however, she began to get new ideas of woman's significance and called herself Mrs. Edna Smith. Her husband, being old fashioned, didn't

"By and by when letters to her came addressed to Mrs. Edna Smith he objected strenuously and she agreed John Wesley. This ran along peace-fully until further progress was made and she began to chafe under the tyranny of man.

"She resorted to secret measures and one day her husband found a letter to her addressed to Mrs. John Edna Smith. This stirred him to his pro-foundest depths and he launched out at her violently, not to say viciously. She merely smiled and when he had become sufficiently amenable to treatment she told him squarely that she was tired of his bearing all the honors of the family name and that she proposed to have her share and have it publicly.

"She said she was willing to give his name first place, but not all the place, and hereafter she would be Mrs. John Edna Smith, and if he didn't like it what, pray, was he going to do about it? It had been a long fight and John was weakening, while at the that the woman in the family was about as necessary as the man was

malady was widespread over the world liness, better sanitation and improved some parts of the world, but the re- ing upon the tissues of his body. The discovered the true solution of the and comparatively common. Go back | habits of living have discouraged it. gions afflicted by it are few and scat- same is true of certain minute forms marital nomenclature problem."

MAURICE AND FLORENCE WALTON IN "MADE IN AMERICA" DANCES



A feature of New York's sane Fourth of July celebration was a Parisian street fete held in front of the Vacation House, which is directed by Miss Anne Morgan. The street was roped off to traffic and the populace danced to the music of a fine orchestra. There were also exhibition dances by professional dancers. One of the most striking parts of the programme was a number of strictly American dances rendered by Maurice

and Florence Walton. Mr. Walton was dressed as "Uncle Sam" and Miss Walton as "Columbia." According to the Mayor's committee which arranged the programme the services of the Waltons were donated for the entertainment. Taken altogether the celebration was unique as an observance of Independence Day and its success led its backers to believe that such street dances may become a fixture for the Sane Fourth.